

Amendments to the Claims

This listing of claims will replace all prior versions and listing of claims in the application.

1. - 20. (Canceled)

21. (Currently Amended) A corrosion-resisting and wear-resisting alloy, which is obtained by casting a material from a cobalt base alloy into an ingot or a slab as an intermediate material, hot plastic forming being applied to said intermediate material at a temperature which is 650°C or more and the solidus temperature or less, which includes a structure comprising mesh-like eutectic carbide and a base material surrounded by the eutectic carbide, the eutectic carbide is formed as a discontinuous distribution in a form of multiple grains or clusters, wherein the coefficient of friction is 0.1 to 0.5, and the Vickers hardness without age hardening process is 300 to 600 Hv;

wherein the cobalt base alloy comprises 0.1 to 3.5% of C, 25% or less of Ni, 25 to 35% of Cr, 5% or less of Fe, 20% or less of W, 1.5% or less of Mo, and 1.5% or less of Si in weight ratio, the remaining balance being Co and inevitable impurities, and

wherein the grain size of said eutectic carbide is 30 μ m or smaller.

22. (Previously Presented) A corrosion-resisting and wear-resisting alloy according to Claim 21, wherein the coefficient of friction of the corrosion-resisting and wear-resisting alloy is 0.1 to 0.3.

23. (Currently Amended) A corrosion-resisting and wear-resisting alloy, which is obtained by casting a material from a nickel base alloy into an ingot or a slab as an intermediate material, hot plastic forming being applied to said intermediate material at a temperature which is 650°C or more and the solidus temperature or less, which includes a structure comprising mesh-like eutectic carbide and a base material surrounded by the eutectic carbide, the eutectic carbide being formed as a discontinuous distribution in a form of multiple grains or clusters, wherein the coefficient of friction is 0.1 to 0.5, and the Vickers hardness without age hardening process is 300 to 600 Hv;

wherein the nickel base alloy comprises 0.1 to 2.5% of C, 3 to 9% of Si, 7 to 25% of Cr, 0.5 to 5% of B, 2 to 6% of Fe,

1 to 5 of W and 17% or less of Mo in weight ratio, the remaining balance being Ni and inevitable impurities, and wherein the grain size of said eutectic carbide is 30 μ m or smaller.

24. (Previously Presented) A corrosion-resisting and wear-resisting alloy according to Claim 23, wherein the coefficient of friction of the corrosion-resisting and wear-resisting alloy is 0.1 to 0.3.

25. (Currently Amended) A corrosion-resisting and wear-resisting alloy, which is obtained by casting a material from an iron base alloy into an ingot or a slab as an intermediate material, hot plastic forming being applied to said intermediate material at a temperature which is 650°C or more and the solidus temperature or less, which includes a structure comprising mesh-like eutectic carbide and a base material surrounded by the eutectic carbide, the eutectic carbide being formed as a discontinuous distribution in a form of multiple grains or clusters, wherein the coefficient of friction is 0.1 to 0.5, and the Vickers hardness without age hardening process is 300 to 600 Hv;

wherein the iron base alloy comprises 0.1 to 1.5% of C, 0.3 to 4% of Si, 4 to 9% of Ni, 3% or less of Mo, 6 to 10% of Mn, and 15 to 25 of Cr in weight ratio, the remaining balance being Fe and inevitable impurities, and

wherein the grain size of said eutectic carbide is 30 μ m or smaller.

26. (Previously Presented) A corrosion-resisting and wear-resisting alloy according to Claim 25, wherein the coefficient of friction of the corrosion-resisting and wear-resisting alloy is 0.1 to 0.3.

27. (Currently Amended) A fluid device ~~wherein~~comprising the corrosion-resisting and wear-resisting alloy according to Claim ~~1~~21, the corrosion-resisting and wear-resisting alloy functioning as ~~is used for~~ a wear-resisting part that ~~wears~~is subjected to wearing due to a contacted slide between elements of the fluid device or functioning as an erosion shield part that is subjected to erosion ~~erodes~~ due to contact with a liquid fluid of the fluid device.

28. (Previously Presented) A corrosion-resisting and wear-resisting alloy according to Claim 27, wherein the coefficient of friction of the corrosion-resisting and wear-resisting alloy is 0.1 to 0.3.

29. (Currently Amended) A fluid device ~~wherein~~comprising the corrosion-resisting and wear-resisting alloy according to Claim 23, the corrosion-resisting and wear-resisting alloy functioning as ~~is used for~~ a wear-resisting part that ~~wears~~is subjected to wearing due to a contacted slide between elements of the fluid device or functioning as an erosion shield part that is subjected to erosion ~~erodes~~ due to contact with a liquid fluid of the fluid device.

30. (Previously Presented) A fluid device wherein the corrosion-resisting and wear-resisting alloy according to Claim 29, wherein the coefficient of friction of the corrosion-resisting and wear-resisting alloy is 0.1 to 0.3.

31. (Currently Amended) A fluid device ~~wherein~~comprising the corrosion-resisting and wear-resisting alloy according to Claim 25, the corrosion-resisting and wear-resisting alloy

functioning as-is-used-for a wear-resisting part that ~~wears~~is
subjected to wearing due to a contacted slide between elements
of the fluid device or functioning as an erosion shield part
that is subjected to erosion~~-erodes~~ due to contact with a
liquid fluid of the fluid device.

32. (Previously Presented) A fluid device wherein the corrosion-resisting and wear-resisting alloy according to Claim 31, wherein the coefficient of friction of the corrosion-resisting and wear-resisting alloy is 0.1 to 0.3.

33. (Previously Presented) A dynamic device wherein the corrosion-resisting and wear-resisting alloy according to Claim 21 is joined with a base metal without changing the metal composition for application to a sliding part or a contact part.

34. (Previously Presented) A dynamic device wherein the corrosion-resisting and wear-resisting alloy according to Claim 33 has a coefficient of friction of 0.1 to 0.3.

35. (Previously Presented) A dynamic device wherein the corrosion-resisting and wear-resisting alloy according to Claim 23 is joined with a base metal without changing the metal composition for application to a sliding part or a contact part.

36. (Previously Presented) A dynamic device wherein the corrosion-resisting and wear-resisting alloy according to Claim 35 has a coefficient of friction of 0.1 to 0.3.

37. (Previously Presented) A dynamic device wherein the corrosion-resisting and wear-resisting alloy according to Claim 25 is joined with a base metal without changing the metal composition for application to a sliding part or a contact part.

38. (Previously Presented) A dynamic device wherein the corrosion-resisting and wear-resisting alloy according to Claim 37 has a coefficient of friction of 0.1 to 0.3.